

House File 542 - Introduced

HOUSE FILE _____
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Passed House, Date _____ Passed Senate, Date _____
Vote: Ayes _____ Nays _____ Vote: Ayes _____ Nays _____
Approved _____

A BILL FOR

1 An Act relating to boiler and pressure vessel inspections and the
2 boiler and pressure vessel board that oversees the
3 inspections.
4 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:
5 TLSB 2204YH 83
6 ak/rj/14

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1 1 DIVISION I
1 2 BOILER AND PRESSURE VESSEL INSPECTIONS
1 3 Section 1. Section 89.2, Code 2009, is amended by adding
1 4 the following new subsection:
1 5 NEW SUBSECTION. 5A. "Object" means a boiler or pressure
1 6 vessel.
1 7 Sec. 2. Section 89.3, subsections 4 and 5, Code 2009, are
1 8 amended by striking the subsections and inserting in lieu
1 9 thereof the following:
1 10 4. a. An object that meets all of the following criteria
1 11 shall be inspected at least once every two years internally
1 12 and externally while not under pressure, and at least once
1 13 every two years externally while under pressure, unless the
1 14 commissioner determines that an earlier inspection is
1 15 warranted.
1 16 (1) The object is a boiler with one hundred thousand
1 17 pounds per hour or more capacity, or the object is an unfired
1 18 steam pressure vessel or a regulated appurtenance that is part
1 19 of the same system as a boiler with one hundred thousand
1 20 pounds per hour or more capacity.
1 21 (2) The object contains only water subject to internal
1 22 continuous water treatment under the direct supervision of a
1 23 graduate engineer or chemist, or one having equivalent
1 24 experience in the treatment of boiler water.
1 25 (3) The water treatment is for the purpose of controlling
1 26 and limiting serious corrosion and other deteriorating
1 27 factors.
1 28 b. The owner or user of an object meeting the criteria in
1 29 paragraph "a" shall do the following:
1 30 (1) At any time the commissioner, a special inspector, or
1 31 the supervisor of water treatment deems a hydrostatic test is
1 32 necessary to determine the safety of an object, conduct the
1 33 test under the supervision of the commissioner.
1 34 (2) Keep available for examination by the commissioner
1 35 accurate records showing the date and actual time the object
2 1 is out of service and the reason it is out of service.
2 2 (3) Keep available for examination by the commissioner
2 3 chemical physical laboratory analyses of samples of the object
2 4 water taken at regular intervals of not more than forty-eight
2 5 hours of operation as will adequately show the condition of
2 6 the water and any elements or characteristics of the water
2 7 which are capable of producing corrosion or other
2 8 deterioration of the object or its parts.
2 9 5. a. An object that meets the following criteria shall
2 10 be inspected at least once each year externally while under
2 11 pressure and at least once every four years internally while
2 12 not under pressure, unless the commissioner determines an
2 13 earlier inspection is warranted.
2 14 (1) The object is a boiler with one hundred thousand
2 15 pounds per hour or more capacity, or the object is an unfired
2 16 steam pressure vessel or a regulated appurtenance that is part
2 17 of the same system as a boiler with one hundred thousand

2 18 pounds per hour or more capacity.
2 19 (2) The object contains only water subject to internal
2 20 continuous water treatment under the direct supervision of a
2 21 graduate engineer or chemist, or one having equivalent
2 22 experience in the treatment of boiler water.
2 23 (3) The water treatment is for the purpose of controlling
2 24 and limiting serious corrosion and other deteriorating
2 25 factors.
2 26 (4) The owner or user is a participant in good standing in
2 27 the Iowa occupational safety and health voluntary protection
2 28 program and have achieved star status within the program,
2 29 which is administered by the division of labor in the
2 30 department of workforce development.
2 31 b. The owner or user of an object that meets the criteria
2 32 in paragraph "a" shall do the following:
2 33 (1) At any time the commissioner, a special inspector, or
2 34 the supervisor of the water treatment deems a hydrostatic test
2 35 necessary to determine the safety of an object, conduct the
3 1 test under the supervision of the commissioner.
3 2 (2) Keep available for examination by the commissioner
3 3 accurate records showing the date and actual time the object
3 4 is out of service and the reason it is out of service.
3 5 (3) Arrange for an internal inspection of the object
3 6 during each planned outage by a special inspector or the
3 7 commissioner.
3 8 (4) Keep for examination by the commissioner accurate
3 9 records showing the chemical physical laboratory analyses of
3 10 samples of the object's water taken at regular intervals of
3 11 not more than forty-eight hours of operation adequate to show
3 12 the condition of the water and any elements or characteristics
3 13 of the water that are capable of producing corrosion or other
3 14 deterioration of the object or its parts.

3 15 DIVISION II

3 16 BOILER AND PRESSURE VESSEL BOARD

3 17 Sec. 3. Section 89.14, subsection 2, Code 2009, is amended
3 18 to read as follows:

3 19 2. The boiler and pressure vessel board is composed of
3 20 nine members, ~~one of whom shall be the~~ as follows:

3 21 a. The commissioner or the commissioner's designee.

3 22 b. ~~The remaining following~~ eight members who shall be
3 23 appointed by the governor, subject to confirmation by the
3 24 senate, to four-year staggered terms beginning and ending as
3 25 provided in section 69.19.

3 26 (1) One member shall be a special inspector who is
3 27 employed by an insurance company that is licensed and actively
3 28 writing boiler and machinery insurance in this state and who
3 29 is commissioned to inspect boiler and pressure vessels in this
3 30 state, ~~two members.~~

3 31 (2) ~~One member~~ shall be appointed from a certified
3 32 ~~employee organizations, one of whom~~ organization and shall
3 33 ~~represent steamfitters, two.~~

3 34 (3) ~~One member shall be appointed from a certified~~
3 35 ~~employee organization and shall represent boilermakers.~~

4 1 (4) ~~Two~~ members shall be mechanical engineers who
4 2 regularly practice in the area of boilers and pressure
4 3 vessels, ~~one.~~

4 4 (5) ~~One~~ member shall be a boiler and pressure vessel
4 5 distributor in this state, ~~one.~~

4 6 (6) ~~One~~ member shall represent boiler and pressure vessel
4 7 manufacturers, ~~and one.~~

4 8 (7) ~~One~~ member shall be a mechanical contractor engaged in
4 9 the business of installation, renovation, and repair of
4 10 boilers and pressure vessels.

4 11 EXPLANATION

4 12 This bill under Code section 89.3(4) is unchanged in
4 13 content and covers boilers and certain pressure vessels that
4 14 are inspected at least once every two years internally and
4 15 externally while not under pressure, and at least once every
4 16 two years externally while under pressure.

4 17 The bill under Code section 89.3(5) allows certain boilers
4 18 and pressure vessels to extend from two years to four years
4 19 the internal inspection schedule if the owner or user is a
4 20 participant in good standing in the division of labor in the
4 21 department of workforce's Iowa occupational safety and health
4 22 voluntary protection program and have achieved star status
4 23 within the program.

4 24 The bill also alters the membership of the boiler and
4 25 pressure vessel board by requiring one member to represent
4 26 boilermakers from a certified employee organization. The
4 27 board keeps the same number of members by reducing the current
4 28 two members representing steamfitters from certified employee

4 29 organizations to just one representative.
4 30 LSB 2204YH 83
4 31 ak/rj/14